

## 30 credits – Business Intelligence application for CAD/PDM Solutions

### Ingress:

Thesis project at Scania is an excellent way of making contacts for your future working life. Many of our current employees started their career with a thesis project.

### Background:

- Scania is using Dassault Systèmes' Enovia V5 vPLM applications to manage the 3D geometries describing the virtual product. 2D, 3D, analysis and simulation data is stored and managed in the PDM system
- Today the product data has grown huge in Enovia. At times of disturbances, it's difficult to track down the root cause as the maintenance team lack sufficient data for analysis. Existing support portal has no scope for such analysis.

### Target:

- Create a Business Intelligence Analysis from the existing PDM data
- Present the analysis in the form of web application, create alerts where necessary
- Create web-services for external application usage (including web-application above)

### Assignment:

- The idea is to develop an intelligent web application to for CAx/PDM management.
- The incumbent resource to understand the existing CAx/PDM system. Then analyse the requirement and propose a solution.
- The resource should design the solution and propose delivery time lines taking standards, reuse and performance and security aspects into account. The new solution to manage:
  - Business intelligence
  - Create web-services
  - Create system alerts and
  - Present the above in a web-application
- Document the analysis, architectural design and implementation

### Education:

M.Sc. (Computer Science preferred). Good knowledge of Java based web technologies (Java, Javascript) and Oracle database (PL-SQL)

**Number of students: 2**

**Start date: 2016-01-11**

**Estimated time needed: 20 weeks**

### Contact persons and supervisors:

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**Application:**

*Enclose CV, personal letter and school-leaving certificate.*

**Publication date from - until**

2015-10-13 – 2015-10-31

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